



May 7, 2019

RE: Public Notice Compliance Action

On March 19, 2019 the Texas Commission of Environmental Quality (TCEQ) notified CLWSC that on May 16, 2018 water from one of the thirteen groundwater wells providing water to the Canyon Lake Shores water system had a fluoride reading of 2.1 milligrams per liter (mg/L). The state limit for fluoride is 2.0 mg/L.

Prior to May 16, 2018, the groundwater from wells in this system had fluoride readings of 0.64 mg/L or less for 2018. Since May 16, 2018 to the present results from state sampling events have been 1.11 mg/L or less and average 0.50 mg/L. Fluoride is a naturally occurring mineral and the amount of it that exists in groundwater varies. Well characteristics such as soil, water table levels, geology, temperature, depth and other features affect fluoride concentrations. CLWSC **does not** add fluoride to any of its drinking water systems.

It is important to note that water used in the Canyon Lake Shores system combines groundwater with surface water from Canyon Lake. Water from all of these sources is blended and used throughout the system. Water treated at the surface water treatment plant typically measures at around 0.20 mg/L. In 2018, 81% of water in the Canyon Lake Shores system came from the lake, and 19% came from groundwater sources. This is a typical ratio of surface water to groundwater within the Canyon Lake Shores system.

Independent of state required sampling, CLWSC is proactively increasing monitoring for fluoride in the Canyon Lake Shores water system; at this time, customers do not need to take any action. However, in keeping with public notice practices established by the TCEQ, CLWSC is providing the enclosed mandatory language regarding fluoride in drinking water (*see reverse*).

If you have any questions about this notice, please contact me at (830) 312-4600 or Chelsea.Hawkins@clwsc.com.

Mandatory Language Notice for Public

Required Language for SCL Exceedance of Fluoride:

The Texas Commission on Environmental Quality (TCEQ) has notified the CLWSC CANYON LAKE SHORES, TX0460019 that the drinking water being supplied to customers has exceeded the Secondary Constituent Level (SCL) of 2.0 mg/L for fluoride.

This is an alert about your drinking water and a cosmetic dental problem that might affect children under nine years of age. At low levels, fluoride can help prevent cavities, but children drinking water containing more than 2 milligrams per liter (mg/L) of fluoride may develop cosmetic discoloration of their permanent teeth (dental fluorosis). The drinking water provided by your community water system CLWSC CANYON LAKE SHORES has a fluoride concentration of 2.1 mg/L.

Dental fluorosis, in its moderate or severe forms, may result in a brown staining and/or pitting of the permanent teeth. This problem occurs only in developing teeth, before they erupt from the gums. Children under nine should be provided with alternate sources of drinking water or water that has been treated to remove the fluoride to avoid the possibility of staining and pitting of their permanent teeth. You may also want to contact your dentist about proper use by young children of fluoride-containing products. Older children and adults may safely drink the water.

Drinking water containing more than 4 mg/L of fluoride (the U.S. Environmental Protection Agency's drinking water standard) can increase your risk of developing bone disease. Your drinking water does not contain more than 4 mg/L of fluoride, but we're required to notify you when we discover that the fluoride levels in your drinking water exceed 2 mg/L because of this cosmetic dental problem.

For more information, please call Chelsea Hawkins of CLWSC CANYON LAKE SHORES at 830-312-4552. Some home water treatment units are also available to remove fluoride from drinking water.